

Title (en)  
Image descriptor for image recognition

Title (de)  
Bilddeskriptor zur Bilderkennung

Title (fr)  
Descripteur d'images pour la reconnaissance d'images

Publication  
**EP 1912160 A1 20080416 (EN)**

Application  
**EP 06255239 A 20061011**

Priority  
EP 06255239 A 20061011

Abstract (en)  
A method of deriving a representation of an image by processing signals corresponding to the image, the method comprises deriving a function of the image, where the function of a translated, scaled or rotated version of the image is a translated or scaled version of the function of the image, and using a plurality of frequency components of a frequency representation of the function to derive a representation of the image.

IPC 8 full level  
**G06F 17/30** (2006.01); **G06V 10/48** (2022.01)

CPC (source: EP US)  
**G06F 16/583** (2018.12 - EP US); **G06V 10/431** (2022.01 - EP US); **G06V 10/48** (2022.01 - EP US)

Citation (search report)

- [X] EP 1498848 A2 20050119 - SAMSUNG ELECTRONICS CO LTD [KR]
- [XY] TABBONE ET AL: "A new shape descriptor defined on the Radon transform", COMPUTER VISION AND IMAGE UNDERSTANDING, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 102, no. 1, April 2006 (2006-04-01), pages 42 - 51, XP005311568, ISSN: 1077-3142
- [Y] PETROU M ET AL: "AFFINE INVARIANT FEATURES FROM THE TRACE TRANSFORM", IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE SERVICE CENTER, LOS ALAMITOS, CA, US, vol. 26, no. 1, January 2004 (2004-01-01), pages 30 - 44, XP001185854, ISSN: 0162-8828
- [DY] KADYROV A ET AL: "THE TRACE TRANSFORM AND ITS APPLICATIONS", IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE SERVICE CENTER, LOS ALAMITOS, CA, US, vol. 23, no. 8, August 2001 (2001-08-01), pages 811 - 828, XP001091621, ISSN: 0162-8828
- [Y] TURAN JAN ET AL.: "Trace transform and KLT based invariant features and image recognition system", ACTA ELECTRONICA ET INFORMATICA, vol. 6, no. 3, March 2006 (2006-03-01), pages 1 - 11, XP002411465
- [A] SEO J S ET AL: "A robust image fingerprinting system using the Radon transform", SIGNAL PROCESSING. IMAGE COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 19, no. 4, April 2004 (2004-04-01), pages 325 - 339, XP004495308, ISSN: 0923-5965

Cited by  
EP2383697A4; CN102016880A; EP2594036A4; US11042772B2; WO2009001025A1; US8831355B2; WO2009130451A1; WO2019183712A1; US8515158B2; WO2009047471A1; US11270204B2; US11694079B2; US8660385B2; US11769582B2; WO2012009600A2; US9678688B2; US11610395B2; US12020477B2; EP2450833A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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